

Table 30. Employed doctoral scientists and engineers, by occupation and citizenship status: 1999

Page 1 of 2

Occupation	Total	U.S. citizen			Non-U.S. citizen		
		Total	Native born	Naturalized	Total	Permanent resident	Temporary resident
[Number]							
All occupations.....	553,360	491,600	429,070	62,530	61,760	47,260	14,510
Scientists.....	342,140	304,210	273,430	30,780	37,930	28,640	9,290
Computer and information scientists.....	32,740	24,410	19,560	4,840	8,340	6,260	2,080
Computer/information scientists.....	26,550	19,190	15,360	3,830	7,360	5,420	1,940
Postsecondary teachers, computer sciences.....	6,190	5,220	4,200	1,010	970	840	140
Mathematical scientists.....	19,650	16,560	14,140	2,420	3,080	2,270	820
Mathematical scientists.....	6,410	5,230	4,340	890	1,190	890	300
Postsecondary teachers, math sciences.....	13,230	11,340	9,800	1,530	1,900	1,380	520
Life and related scientists.....	104,030	92,130	83,180	8,950	11,900	8,630	3,270
Agricultural scientists.....	8,560	7,900	7,160	740	650	360	290
Biological scientists.....	58,160	48,480	42,930	5,560	9,680	6,810	2,870
Forestry and conservation scientists.....	1,190	1,160	1,130	S	S	S	S
Postsecondary teachers, life and related sciences.....	36,130	34,590	31,970	2,620	1,540	1,430	110
Physical and related scientists.....	75,350	67,010	59,060	7,940	8,340	6,390	1,950
Chemists, except biochemistry.....	24,840	21,090	18,070	3,020	3,760	2,830	930
Earth scientists.....	9,630	8,600	7,950	650	1,020	700	320
Physics and astronomers.....	13,460	11,690	10,210	1,490	1,770	1,330	440
Other physical scientists.....	1,330	1,270	1,150	110	70	S	S
Postsecondary teachers, physical and related sciences	26,070	24,360	21,680	2,680	1,720	1,480	240
Social scientists.....	45,460	40,730	36,950	3,780	4,730	3,810	920
Economists.....	6,970	6,000	5,340	660	970	710	270
Political scientists.....	1,060	1,040	930	110	S	S	S
Sociologists and anthropologists.....	3,560	3,380	3,240	130	180	140	S
S&T historians and other social scientists.....	2,200	2,030	1,880	150	170	110	60
Postsecondary teachers, social sciences	31,670	28,290	25,560	2,730	3,380	2,840	540
Psychologists.....	64,910	63,370	60,530	2,840	1,540	1,290	250
Psychologists.....	48,580	47,570	45,240	2,330	1,010	880	130
Postsecondary teachers, psychology.....	16,320	15,800	15,290	510	530	410	120
Engineers.....	74,600	60,210	44,590	15,620	14,390	10,670	3,720
Aerospace/aeronautical engineers.....	4,070	3,790	2,960	830	280	230	50
Chemical engineers.....	7,610	6,190	4,460	1,730	1,420	990	430
Civil and architectural engineers.....	4,150	3,160	1,930	1,230	980	690	290
Electrical and related engineers.....	15,350	11,310	8,160	3,150	4,040	2,700	1,340
Materials/metallurgical engineers.....	1,050	930	810	110	120	120	S
Mechanical engineers.....	8,610	6,220	4,120	2,110	2,380	1,750	630
Other engineers.....	16,690	13,760	10,820	2,940	2,930	2,190	740
Postsecondary teachers, engineering.....	17,080	14,850	11,340	3,510	2,230	2,000	240
Non-S&E occupations.....	136,630	127,180	111,050	16,130	9,450	7,950	1,500
Top/mid-level managers, administrators, etc.....	66,070	62,630	54,620	8,000	3,440	3,070	380
Health and related occupations.....	17,270	15,940	13,670	2,270	1,340	1,030	310
Teachers, except S&E postsecondary teachers.....	23,700	22,220	19,840	2,380	1,480	1,150	330
Social services and related occupations.....	2,350	2,250	1,980	270	100	70	S
Technicians/technologists.....	7,530	5,710	4,620	1,090	1,820	1,400	420
Sales and marketing occupations.....	6,190	5,550	4,410	1,150	640	630	S
Other non-S&E occupations.....	13,520	12,880	11,910	970	640	590	S

See explanatory information and SOURCE at end of table.

Table 30. Employed doctoral scientists and engineers, by occupation and citizenship status: 1999

Page 2 of 2

Occupation	Total	U.S. citizen			Non-U.S. citizen		
		Total	Native born	Naturalized	Total	Permanent resident	Temporary resident
[Percent]							
All occupations.....	100.0	88.8	77.5	11.3	11.2	8.5	2.6
Scientists.....	100.0	88.9	79.9	9.0	11.1	8.4	2.7
Computer and information scientists.....	100.0	74.5	59.7	14.8	25.5	19.1	6.4
Computer/information scientists.....	100.0	72.3	57.8	14.4	27.7	20.4	7.3
Postsecondary teachers, computer sciences.....	100.0	84.3	67.9	16.4	15.7	13.5	2.2
Mathematical scientists.....	100.0	84.3	72.0	12.3	15.7	11.5	4.2
Mathematical scientists.....	100.0	81.5	67.6	13.9	18.5	13.9	4.6
Postsecondary teachers, math sciences.....	100.0	85.7	74.1	11.6	14.3	10.4	3.9
Life and related scientists.....	100.0	88.6	80.0	8.6	11.4	8.3	3.1
Agricultural scientists.....	100.0	92.4	83.7	8.7	7.6	4.2	3.4
Biological scientists.....	100.0	83.4	73.8	9.6	16.6	11.7	4.9
Forestry and conservation scientists.....	100.0	97.2	94.9	S	S	S	S
Postsecondary teachers, life and related sciences.....	100.0	95.7	88.5	7.3	4.3	3.9	0.3
Physical and related scientists.....	100.0	88.9	78.4	10.5	11.1	8.5	2.6
Chemists, except biochemistry.....	100.0	84.9	72.7	12.2	15.1	11.4	3.7
Earth scientists.....	100.0	89.4	82.6	6.8	10.6	7.3	3.3
Physics and astronomers.....	100.0	86.8	75.8	11.0	13.2	9.9	3.3
Other physical scientists.....	100.0	95.0	86.5	8.5	5.0	S	S
Postsecondary teachers, physical and related sciences	100.0	93.4	83.2	10.3	6.6	5.7	0.9
Social scientists.....	100.0	89.6	81.3	8.3	10.4	8.4	2.0
Economists.....	100.0	86.0	76.6	9.5	14.0	10.1	3.9
Political scientists.....	100.0	97.7	87.3	10.4	S	S	S
Sociologists and anthropologists.....	100.0	94.9	91.2	3.7	5.1	3.8	S
S&T historians and other social scientists.....	100.0	92.4	85.6	6.8	7.6	4.8	2.8
Postsecondary teachers, social sciences	100.0	89.3	80.7	8.6	10.7	9.0	1.7
Psychologists.....	100.0	97.6	93.3	4.4	2.4	2.0	0.4
Psychologists.....	100.0	97.9	93.1	4.8	2.1	1.8	0.3
Postsecondary teachers, psychology.....	100.0	96.8	93.7	3.1	3.2	2.5	0.7
Engineers.....	100.0	80.7	59.8	20.9	19.3	14.3	5.0
Aerospace/aeronautical engineers.....	100.0	93.1	72.7	20.4	6.9	5.7	1.2
Chemical engineers.....	100.0	81.4	58.6	22.8	18.6	13.0	5.7
Civil and architectural engineers.....	100.0	76.3	46.6	29.8	23.7	16.7	7.0
Electrical and related engineers.....	100.0	73.7	53.2	20.5	26.3	17.6	8.7
Materials/metallurgical engineers.....	100.0	88.4	77.6	10.8	11.6	11.6	S
Mechanical engineers.....	100.0	72.3	47.8	24.5	27.7	20.4	7.3
Other engineers.....	100.0	82.4	64.8	17.6	17.6	13.1	4.5
Postsecondary teachers, engineering.....	100.0	86.9	66.4	20.6	13.1	11.7	1.4
Non-S&E occupations.....	100.0	93.1	81.3	11.8	6.9	5.8	1.1
Top/mid-level managers, administrators, etc.....	100.0	94.8	82.7	12.1	5.2	4.6	0.6
Health and related occupations.....	100.0	92.3	79.1	13.1	7.7	6.0	1.8
Teachers, except S&E postsecondary teachers.....	100.0	93.7	83.7	10.1	6.3	4.9	1.4
Social services and related occupations.....	100.0	95.8	84.3	11.6	4.2	3.1	S
Technicians/technologists.....	100.0	75.9	61.3	14.5	24.1	18.6	5.5
Sales and marketing occupations.....	100.0	89.7	71.2	18.5	10.3	10.2	S
Other non-S&E occupations.....	100.0	95.3	88.1	7.2	4.7	4.4	S

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases). S&T=science and technology. S&E=science and engineering.

NOTES: Numbers are rounded to nearest ten. Details may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients